

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A process for producing a ~~polymerelectrolyte~~ **polymer electrolyte** membrane comprising the steps of:
coating a solution of a ~~polymerelectrolyte~~ **polymer electrolyte** on at least one surface of a porous substrate; and
laminating the coated porous substrate ~~and~~ **with** a supporting material while applying a tension F (kg/cm) in a range of the following expression (A)
$$0.01 \leq F \leq 10 \quad (A)$$
to the coated porous substrate.
2. (Original) The producing process according to Claim 1, wherein the supporting material is laminated on a coated surface of the coated porous substrate.
3. (Currently Amended) The producing process according to Claim 1, wherein a surface of the supporting material to be laminated on the porous substrate is previously coated with the solution of a ~~polymerelectrolyte~~ **polymer electrolyte**.
4. (Currently Amended) The continuously producing process according to Claim 1, wherein a viscosity η (cps) of the solution of a ~~polymerelectrolyte~~ **polymer electrolyte** is in a range of $5 \leq \eta \leq 5000$.
5. (Currently Amended) The producing process according to Claim 1, wherein a concentration C (wt %) of the solution of a ~~polymerelectrolyte~~ **polymer electrolyte** is $1 \leq C \leq 50$.
6. (Currently Amended) A ~~polymerelectrolyte~~ **polymer electrolyte** membrane obtained by the process according to Claim 1.

7. (Currently Amended) A fuel cell comprising the ~~polymerelectrolyte~~ **polymer electrolyte** membrane according to Claim 6.

8. (Withdrawn - Currently Amended) An apparatus for producing a ~~polymerelectrolyte~~ **polymer electrolyte** membrane comprising:

a first coating means for coating a solution of a ~~polymerelectrolyte~~ **polymer electrolyte** on a porous substrate which is conveyed,

a tension applying means for applying a tension F (kg/cm) in a range satisfying the expression (A)

$$0.01 \leq F \leq 10 \quad (A)$$

to the porous substrate coated with the solution of a ~~polymerelectrolyte~~ **polymer electrolyte**; and

a laminating means for laminating the porous substrate which is coated with the solution of a ~~polymerelectrolyte~~ **polymer electrolyte** and applied the tension, and a supporting material.

9. (Withdrawn – Currently Amended) The producing apparatus according to Claim 8, wherein in the first coating means, coating the solution of a ~~polymerelectrolyte~~ **polymer electrolyte** on a surface of the porous substrate on which the supporting material is to be laminated.

10. (Withdrawn) The producing apparatus according to Claim 8, further comprising a means of drying a laminate.

11. (Withdrawn - Currently Amended) The producing apparatus according to Claim 10, comprising a second coating means for further coating the solution of a ~~polymerelectrolyte~~ **polymer electrolyte** on the porous substrate in the laminate dried by the drying means.

12. (Withdrawn - Currently Amended) The producing apparatus according to Claim 10, comprising a second coating means of further coating the solution of a ~~polymerelectrolyte~~ **polymer electrolyte** on the porous substrate in the laminate before being dried by the drying means.